



65 Years of DX-cellence

January 2013



BULLetin

The Southern California DX Club Newsletter est. 1947

*"If you need him get
in there and work
him"*

The Southern California DX Club is a group of dedicated men and women active in the amateur radio community who enjoy communicating over the air with other radio amateurs around the world.

The SCDXC strongly supports the DX Code of Conduct. Please visit their website:

www.dx-code.org

The newsletter is published every month and is released to its members about the first of each month. Amateur and DX related letters, news and pictures are welcome and will be published as time and space permit.

Articles may be republished with the recognition of the author and the club. Reuse of copyrighted materials require the original author's permission.

Any questions regarding this newsletter or its articles should be addressed to the editor, Bill:

n6rv@scdxc.org

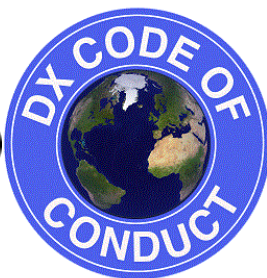
Meetings are held on the second Thursday of the month at 7:30 PM except April, June and December.

Please check the club web site for events and details at:

<http://www.scdxc.org>

If you are in the area please say hello on our repeater:

W6AM/R145.48,(-) 100Hz PL



NCDXF Platinum Contributor

Next Meeting

Thursday January 10th 7:30 PM!

2012 DX The Year in Review

Bill Kendrick, N6RV

- **Happy New Year!!!**
- **Holiday Party Photos!**
- **Time to Renew Membership!**
- **IDXC 2013 Registration has Begun!**
- **PT0S Summary**

**Making friends all over the world using the magic of Amateur Radio.
Sponsors of the International DX Convention, since 1949**



[Southern California DX Club, Inc.](#)

[Membership Renewal \[\]](#)

[New Member Application \[\]](#)

Date _____

Name _____ Birthday (MM) _____ Call Sign _____

Spouses Name _____ Birthday (MM) _____ Call Sign _____

Mailing Address _____

City _____ State _____ Zip _____

Telephone Home: (_____) _____ - _____ [] Do not list in club directory

Work: (_____) _____ - _____ [] Do not list in club directory

E-mail: _____ [] Do not list in club directory or web site

Have you confirmed 40 CQ Zones? Not yet: [] Yes [] I have a WAZ certificate: []

Spouse? Not yet: [] Yes [] Has a WAZ certificate: []

Have you confirmed 100 Countries? Not yet: [] Yes [] I have a DXCC certificate: []

Spouse? Not yet: [] Yes [] Has a DXCC certificate: []

Are you an ARRL Member? No: [] Yes: [] Life: []

--- **Renewal** Membership, Full or Associate - \$18.00 USD Per Calendar Year (Jan - Dec)

(Additional Family Members \$4.50 USD ea)

Overseas / Supporting Membership - \$18.00 USD Per Calendar Year (Jan-Dec)

New Membership, All Types - \$1.50 Times the Number of Months Remaining in Year

(Example: Join in September, pay 4 x \$1.50 - Family Members @ additional 25%)

BADGES

Small: (1.5"H X 2"W) [] Medium: (2"H X 3"W) [] Large: (3"H X 3.75"W) []

\$10.00 USD ea including postage (to US addresses)

For badge shipping costs to overseas locations contact Mel Hughes, K6SY at k6sy@scdxc.org.

Make checks payable to Southern California DX Club or SCDXC

Mail Membership Fees and/or Badge Fees to:

Mel Hughes, K6SY, 28017 San Nicolas Dr., Rancho Palos Verdes, CA 90275

For club use only

Dues recvd by _____ Amt \$ _____ Date _____ Full Member []

QSLs verified by _____ Date _____ Associate Member []

DXCC _____ WAZ _____ Former Member _____ At-Large Member []

Notes: _____ Supporting Member []

Aug 10, 2010

THE PREZ SEZ

Ernie Nairne, N6HY,
President – SCDXC
n6hy@scdxc.org



Hello Everybody!

The holiday party was a great success story! Thanks to all particularly the board. Many thanks to Cathy, K6VC, and Carl, WU6D for our new 65th anniversary cups! Everyone who attended received one and they are spectacular! Thanks to Marilyn, KJ6YL, for the ladies baskets. Every year Marilyn does a stellar job putting together these gifts. It is truly from her desire to add to the festivities. That is what makes our holiday party great! That and all those who attend and share in the joy. Was the food good or what? Mel found this place last year and it has been a winner. Next year we are looking at Luminarias, a sister restaurant in Monterey Park. The faire is about the same with a Mexican flare to boot!

Thanks to all who voted for me. It is a real honor to be president on our 65th year as a club. I am looking forward to working with the 2013 board. This will be a fun year!!

Larry, K6YUI, has been working on my new station layout He has put in lots of hard work building and installing my shelves and table top. The antenna controller is back and I am recalibrating the elements for each band .

By the way the bands have been very good for me. I have made many great DX contacts on 40 meters early in the morning on the long path and around 10 PM local time we have been having good short path to Europe.

73, and Good DXing!
Ernie Nairne, N6HY
President SCDXC

Treasurer's Report

Club financial information is available on request. Contact the treasurer.

Officer Guidelines

The revised version of the Officers Guidelines is available on our website. See the hyperlink below.

Code of Conduct

SCDXC endorses the [DX Code of Conduct](#)



New DXer Resources

[New DXers Handbook](#)



VICE PRESIDENT'S CORNER

Wayne Spring, W6IRD,
Vice President – SCDXC
W6IRD@scdxc.org

Hello My Fellow DXers!

With the shift in the term of office we are still working out the kinks. One of them is getting everyone together to discuss roles and responsibilities. Also with the holidays upon us it was difficult to coordinate the articles. Wayne will be on board with us for the February Newsletter.

Bill, N6RV, will be presenting 2012 DX The Year in Review. This is his third offering and is quickly becoming a tradition. Come listen to all the great DXpeditions of last year, see the stats and photos and the predictions for next year. Every Dxpediton on ClubLog has an SCDXC Leaderboard. Were you on top? Come to the meeting and check out the review!

See you at the meeting!!!

73, and Good DXing!
Wayne, Spring, W6IRD
Vice President SCDXC

Holiday Party Prize Drawing

K6IRD	FT-60R
N6MXU	Printer
W6AQ	Champagne
KT6LA	White Wine
N6HY	Red Wine
N6IC	8GB Flash Drive
N6VNI	AA Batteries
????	Leatherman
K5KT	Heil Wire
W6HT	Book
N6RV	Antenna Rope
????	4GB Flash Drive
N6RV	Sees Candy
W6YOO	Sees Candy
W6JAY	Goldline GM4
K6VC	Digital Camera
KJ6YL	HP Monitor
KJ6YL	Dolly
W6IRD	Dolly
Evelyn	Bungee Cords
????	Bungee Cords
K6KSJ	FT 8800
W6IRD	FT 7900
W6HT	FT 2900
N6QQ	UV-5R
W6YOO	UV-5R
K5KT	UV-3R
N6QQ	Outback Card
Handbook	N6VNI
Ant Book	N6RV
Book	K6AWB
Book	KJ6YL
Book	NK6A
Ladies Prize	Sheila (NK6A YL)
Ladies Prize	Sandi (W6KK YL)

DXer of The Year

Congratulations
Bob W6ZPL!

Clipperton Award

Congratulations
Kris KC6TOD!

New Members

Please welcome new members:

Clay Davis
AB9A

Carolyn Jacob
KE6BUH

Wild Bill Wiederhold
WB6BFG

Paul Carreiro
N6EV

Jerry Carter
W6JAC

Jim Bridge
K7LA

Tom Ryan
N6NPG

Richard Somers
W6NSV

Jim Pope
KG0PP

Greg Martens
N6RRY

Ellen Utschig
N6UWW

*Make sure you meet
and greet them at the
next meeting!*



HOLIDAY PARTY 2012

New DXer Resources

New DXers Handbook

http://www.udxa.org/attachments/148_New_DXers_Handbook.pdf

Editors Editorial
Bill Kendrick, N6RV,
Editor – SCDXC BULLetin
n6rv@scdxc.org



Hello Everybody!

I am still working on the newsletter and it is Dec 21st. I figured if the world is going to end then why do I have to publish another BULLetin? Well... the world did not come to an end. My guess is that the Mayans lived in a age where 1% error was very acceptable so we are not out of the woods for another 50 or so years! That's plenty of time to get out and work some new maybe even go out and be DX ourselves. That would be a blast!

The holiday party was a big success. Thank you Ernie for all the hard work throughout the year! Now it is your time to take the reins. Marilyn you did a great job with the ladies gifts and prizes.

This years board is a strong group of hardworking individuals. I am sure the meetings and speakers will be top notch. The bash will be down south this year. Again thanks to George, Kris, and Carolyn for hosting last years bash. It was fantastic. Maybe this year we can make carpool arrangements well in advance.

Thankfully we are not in charge of the convention this year so it will be a wonderful time to relax and enjoy one another's company albeit a little out of sorts with the new venue. Believe me we are watching this convention and will be making a decision regarding the 2014 venue shortly afterwards. Registration for the convention began on December 23rd so make sure you visit the website and fill out the form.

Now that my role on the board has diminished I will be able to focus my attention on the newsletter. I have a promise from every board member to produce at least one article a year. How about you? Do you have some interesting tidbits that you would like to write about. If you can fill a page it is yours! If it is just a short article there is always room in the Spurious Output column!

Going on a Dxpedition? Let us know and we will reserve space in the newsletter for announcements and updates. Getting ready to operate a contest. Let us know and we will put out the word so members can work you!

Remember this year is the predicted sunspot maxima. That means DX should be good. Also the back side of the cycle is always more lively than the front so keep your radios on!

See you at the meeting!

73,
Bill, N6RV
Editor, SCDXC
Past President of Southern California DX Club - 2012
Director SCDXC 2013 Board

[Officer Guidelines](http://www.scdxc.org/download/Officer_Guidelines.pdf)

http://www.scdxc.org/download/Officer_Guidelines.pdf

[DX Code of Conduct](http://www.dx-code.org/)

<http://www.dx-code.org/>



CONTESTS

**John Schroeder, N6QQ,
Director – Southern California DX Club
n6qq@scdxc.org**

Hello DX Contesters!

Here is my updated contest summary. I guess the availability of Bill's station reduced my totals somewhat. There is always 2013! You know there is a lot of DX to work in contests and just before and after the contests they are on other modes and bands. Take the time to hunt for a few new ones!

	2005	2006	2007	2008	2009	2010	2011	2012	Total
QSOs	12577	11062	11061	13851	17091	15686	18037	17231	116596
Contests	36	36	43	49	61	63	56	50	394
Countries									
Mixed	179	187	213	216	249	224	244	257	
RTTY	118	123	123	135	151	129	160	164	

We have some contests this month as well as some DXpeditions that are ramping up!

January Contests:

SARTG New Year RTTY	Jan 1	Good time to pick up a few countries on RTTY
ARRL RTTY Roundup	Jan 5-6	Biggest RTTY contest of the year
North American QSO Party CW	Jan 12-13	Work USA / Canada on CW
CQ 160 meter Contest CW	Jan 25-27	Always fun and some DX!

Web sites to check out this month:

Check out Announced DX Operations:

<http://ng3k.com/Misc/adxo.html>

The NG3K site has a great deal to offer. Check out the rest of site:

<http://ng3k.com/index.html>

73, John, N6QQ
ARRL and CQ Awards QSL Checker
Past President of Southern California DX Club - 2011
www.scdxc.org
<http://www.qrz.com/db/N6QQ>

DX ACCOMPLISHMENTS

Celebrate the Successes of Our Fellow Members!

Jonathan Fox, KT6LA is the first to submit his updates for 2013. Congratulations

Call	DXCC	WAZ
KT6LA	248 / 246	

15M WAZ RTTY #009

I applied for WAZ RTTY 15 Meters last weekend and got notification that I am receiving WAZ 15 Meters RTTY Number 009. There is always something to do on the bands.

DE Larry, K6YUI

SCDXC WAZ and DXCC Standings (N6RV)

The first WAZ column is the confirmed zone count on 10 bands 160 - 6 (less 60 meters). The second column is the regular 5BWAZ confirmed count. The following are the codes that follow the two columns and indicate the awards:

M	Mixed
P	Phone
C	CW
R	RTTY
5	5 Band

The first DXCC column is the confirmed entity count with deleted countries. The second column is the confirmed current entity count.

If you have any information to post please go to the on-line webform and update your standing:

<http://www.scdxc.org/dx-update.html>

WAZ STANDINGS

	10B / 5B	Awards
K6ND	378 / 200	M/5
W6SR	369 / 200	M/P/C//5
WA5VGI	357 / 200	M/P/C/5
W8DX	357 / 200	M/5
EU7SA	357 / 200	M/5
N6AW	355 / 200	M/P/C/5
K6YRA	337 / 200	P/5
K6YUI	337 / 200	M/P/C/R/5
WD6L	248 / 200	M/P/5
N6OU	220 / 200	M/5
K6UNR	/ 200	M/P/5
W6VX	352 / 199	
NS6C	198 / 198	
K6FG	359 / 197	M/P/C/R/5
K6GXO	358 / 198	M
SM5GMZ	340 / 196	M/P/C
N6MXU	155 / 193	
K2PLF	191 / 191	
N6RV	300 / 187	M/P/C
KC6X	294 / 187	M/P/C/5
K6LD	314 / 186	M/P/C
W6YOO	308 / 185	M/P/C/5
N6QQ	324 / 185	M/P/C/R
KH6DX/m	210 / 184	
K6SY	246 / 173	P
W6ZPL	237 / 173	M/P
K0OK	284 / 172	
KJ6Y	261 / 172	
KR6C	295 / 171	M/C
AD6KQ	226 / 164	
N6DHZ	214 / 160	P
K6KII	191 / 177	M
KH6MB	181 / 174	
W6DR	227 / 159	
NK6A	152 / 152	M/5
W6NRQ	180 / 147	M/P
WA6BOB	152 / 136	M
W6IRD	151 / 111	M/P
W5DQ	161 / 122	
K6IRD	154 / 126	M/P
WB6PSY	139 / 140	P
KT6LA	132 / 103	
N6HE	130 / 138	
W3SE	102 / 112	
K6IRA	118 / 102	
K6VC	96 / 96	P
W6EA	92 / 86	
N6UC	78 / 78	M
KA6TTV	82 / 67	
N6VNI	86 / 64	
N6GIL	49 / 43	
W6DCK	40 / 40	P
K6JW	40 / 40	M/P
K6YR	39 / 39	
W6DOE	37 / 37	
NZ6L	36 / 36	
W4EF	29 /	
N6AWD		M
N6HC		M/P/C
KB6KTV		P
W6OES		M
K8RD		C

DXCC STANDINGS

	TOT / CUR
K6KII	387 / 348
JA1BK	377 / 338
K6YRA	376 / 348
K6EXO	370 / 338
K6YUI	365 / 348
N6UC	367 / 340
K6DJ	363 / 348
K6IPV	362 / 348
NS6C	360 / 348
W6HT	358 / 338
W6SR	358 / 348
WA6WZO	357 / 348
K8RD	356 / 348
K6KT	355 / 348
N6AW	355 / 337
K6FG	355 / 348
K6GXO	355 / 348
K2PLF	354 / 348
N6RV	354 / 339
W8DX	353 / 348
W6IRD	352 / 336
W6OES	351 / 334
W6ALU	350 / 348
W6YOO	349 / 348
KC6X	349 / 340
W6KK	348 / 348
W6VX	348 / 348
WA5VGI	348 / 348
N6AWD	348 / 338
WB6PSY	348 / 337
N6QQ	348 / 333
K6ND	347 / 348
W6OM	347 / 337
W6ENZ	347 / 338
N6HC	345 / 337
K6LD	344 / 338
EU7SA	343 / 336
W6DCK	342 / 336
KR6C	341 / 339
KB6KTV	340 / 335
N6MG	339 / 331
N6OU	338 / 330
SM5GMZ	337 / 329
N6HY	333 / 329
K6UNR	333 / 332
K2IXQ	333 / 329
AD6KQ	328 / 328
KM6HB	332 / 327
KJ6Y	327 / 323
W6ZPL	317 / 317
K6SY	312 / 310
W6HB	303 / 295
N6MXU	301 / 297
K0OK	300 / 298
WD6L	295 / 295
N6DHZ	288 / 284
K6IRA	286 / 286
W6NRQ	285 / 281
W6DR	282 / 278
K6JW	277 / 273
N7CQQ	268 / 266
K6GEP	267 / 262
K6DJ	261 / 259
K6IRD	260 / 250
N6WIN	258 / 253
NK6A	255 / 255
KT6LA	248 / 246
K6YR	244 / 244
W3SE	240 / 237
K6HCJ	235 / 235
K6GEP	229 / 226
K6VC	227 / 227
W5DQ	225 / 220
N6VNI	223 / 223
KN6VF	223 / 223
ZL3TE	222 / 220
WA6BOB	202 / 198
W6DOE	191 / 189
N6RI	189 / 180
W6VWV	181 / 180
N6HE	178 / 171
K6LX	175 / 175
W6EA	152 / 152
KA6TTV	149 / 149
K6OGO	142 / 142
W4EF	132 / 132
WA6NOL	127 / 130
WB6PJC	100 / 100
NZ6L	27 / 27

RUMORS ON THE BAND

A plethora of announcements, rumors, and serious DX fun

January is a slow month for both contesting and DXing. With the SFI moving up we should have some fun on the higher bands even 6 meters might show some signs of life.

The big Dxpedition this month is H40FN and J5UAP. Keep an ear out for someone to pop up unexpectedly!

Blue Information indicate particularly rare entities and **Red information** indicate SCDXC member attended DXpedition. As always you have to turn on your radio to work them.

Call	QTH	Start Date	End Date	Information	Website
H40FN	Temotu	Now	1/7/2013	DK9FN, 160 - 6m	-
T8CW	Palau	Now	1/6/2013	JH0IXE, 160 - 6m RTTY	-
8Q7MS	Maldives	Now	1/3/2013	HB9TUZ, 80 - 10m. SSB	-
V5/DJ5BQ	Namibia	1/4/2013	1/18/2013	80 - 10M RTTY	-
6W7SK	Senegal	1/5/2013	1/18/2013	F6BLP, Mostly CW	-
PY0F / PP1CZ	Fernando De Noronha	1/15/2013	1/21/2013	160, 80M CW, RTTY, some SSB	-
6W2SC	Senegal	1/17/2013	3/10/2013	HA3AUI, 40 - 10M, CW	-
J5UAP	Guinea- Bissau	1/25/2013	3/10/2013	HA3AUI, 40 - 10M, CW	-

Useful DX Sites

The Daily DX
www.dailydx.com/

Announced DX Ops
www.ng3k.com/misc/adxo.html

DX Coffee
<http://www.dxcffee.com/eng/>

DXing.info
www.dxing.info/dxpeditions/

DX 425 News
www.425dxn.org/dxped/

Dx-info.de
www.dx-info.de

DX Italia DX News
www.marioi2mqp.it

DH9SB Weekly DX Calendar
<http://www.dx-info.de>

N0HR DXpedition Map
www.n0hr.com/wk34/

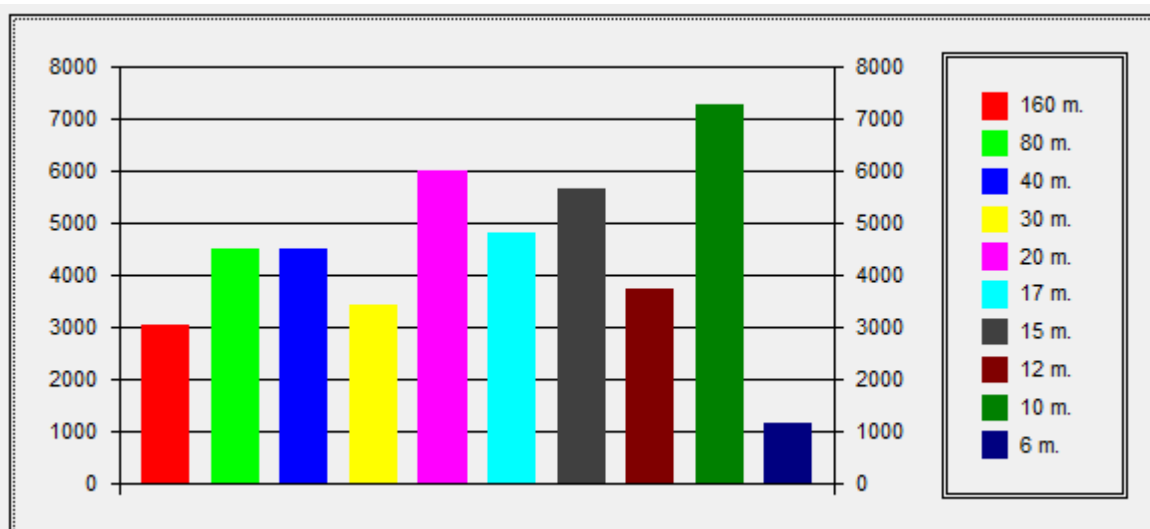
The DX Zone
www.dxzone.com/catalog/DX_Resources/

PT0S SUMMARY

Nov 28, 2012, Natal

Summary and Conclusions

The PT0S operation was active from the Archipelago St. Peter and St. Paul between Nov 10, 2203 UTC until Nov 23, 1017 UTC. The table below shows our results.



PT0S QSO Count per Band

The PT0S DXpedition was long in the making. At the time when we started considering it, sometimes around the middle of 2011, the position of the Brazilian Navy, which controls the SPSP, was that there was no room for radio expeditions and their activities were incompatible with the mission of the scientific research station and the Navy. In other words, No DXpeditions!

Atilano, PY5EG, after a lengthy effort was able to convince the Navy that we could conduct a zero impact operation. Very reluctantly, the Navy agreed to give us (and Amateur Radio) a try. Consequently we had a lot of restrictions and a lot of uncertainty. Indeed, uncertainty was with us both before and during the entire operation, right up to the very end. Uncertainty about where and how we could operate, sleep, eat, etc. As it turned out, both the scientists and the Navy people were incredibly helpful and accommodating. Still, the uncertainty remained and it continued influencing our decisions during the entire operation.

We arrived on morning of Nov 10 and set to work on Station 1 and its 160 - 10 meter antenna. The station was ready by 2200 UTC. As usual, we started on 160 meters. Noise was S9+10 dB but we were hoping that there would be some TB stations that could put a S9+10dB signal into the middle of the Atlantic. There sure were! That night we made around 300 QSO-s on 160. Obviously, we were working the big guns. Next day we built Station 2 (with its 80 to 10 meter antenna). The 6 m antenna was next, along with an intense hunt for noise sources. By day three we had three stations and got rid of most of the noise. We also had a good RX antenna with a remote pre-selector-amplifier covering 160 to 10 meters. We were up and running but we were getting very little sleep. There was no place for us to sleep during the day, and during the night we were often running all three stations. By the end of day 3 we were walking like zombies.

Then uncertainty struck: the scientists were leaving in a few days' time and an all-Navy construction crew was coming in. We received advance warning that some in the Navy did not want us to be there during their stay. We finally sorted that out (lots of back channel phone calls). The arriving Navy crew were great and had no problem with us. Furthermore, we now could have the entire lab (hurray! -- all 3 x 4 meters of it). Navy guys, however, would not tolerate our gear or anything else outside the lab. We had to move the larger part of our gear (about 500 lbs) out of sight and pull everything else back into the lab, including the third station, which we had temporarily set up on the open verandah. We were also informed that we may have to stop operations if the Navy guys found that we were in their way. We made a decision to work all the bands as hard as we could, giving out PT0S to as many as possible, just in case we were shut down early.

As it turned out, the Navy guys were very accommodating and helpful, and gradually we were able to expand our living space and even share meals and other stuff with them. On the downside, they were incredibly noisy: they had an unshielded 6 kVA generator without a muffler running all day about 10 meters outside our "shack" and at night they had loud music and other noise until late. More QRM for the 160 operator. And still no sleeping during the day.

Then the weather struck. Strong winds drove large waves, which, combined with the new-moon spring tides, crashed over the rocks flooding our No. 2 antenna, the strong current physically ripping out the feed-line coax and breaking the N connector of the antenna coupler. We rebuilt that and were back on 80 meters by late afternoon. The next one to go was the control cable of the main antenna coupler. Heavy wave action caused its jacked to rip over the sharp rocks. We replaced and rerouted the cable, which got us back on the air. A point to make here is that we could only work on this antenna safely at low tide. At high tide, there were huge waves washing over the rocks surrounding the antenna base. It was dangerous and very wet.

All this time we continued operating. In our efforts to maximize the QSO count we did let some of the pile-ups get out of hand. They were huge and difficult to control. PT0S was in a unique location: being in the middle of the Atlantic, just a little bit north of the Equator, we had most bands (including 160 meters) open for substantial amounts of time to both EU and NA, and at times, to even Asia (JA). Combined with the high interest, this made for some large and ferocious pile-ups. Indeed, because of some of the negative feed-back (some of it deserved, some not) we stopped working 12 m SSB, realizing that the band was just too narrow for the pile-ups we were generating.

There was no shortage of poor behavior on most bands, SSB generally worse than CW. Apart from the jammers, we had "constant callers", stations that kept calling even during QSO-s or when the operator has asked for a completely different partial call. Very annoying and often they slow down the entire pile-up. We had a policy that once a station was picked up with a partial call, we would stick with that caller, whatever it took to complete the QSO (within reason). The constant callers were often a major obstacle in this regard. What is more ridiculous, is that the entire process was clearly visible on the SDR/CW-skimmer, which showed all the callers, the persistent ones and the ones who just made a mistake by calling out of turn. Perhaps publishing screen shots could act as a deterrent, as the skimmer shows all the call-signs involved.

In a pile-up the operator has two conflicting options: he can try to keep the pile-up tight but his QSO rate will be greatly reduced. Or, he can work a wider pile-up where the QRM is less intense and enjoy a higher QSO rate, and be able to work weaker stations. The ideal is somewhere in the middle, but that is easier said than done.

From day one we were uploading logs. According to the "plan" we were supposed to have access the high-speed Internet facility of the scientific station. Unfortunately for us, it was not working during the entire time we were on the rocks. Instead, we used our Iridium sat-phone that we brought as a back-up. Because of its low speed (2.4 kbps) the phone was totally unsuitable for uploading logs. All logs had to cut into 10 kbyte pieces, compressed and sent piecemeal. Tamas, HA7PT, pieced the log fragments together for the log search and the LoTW submission. To get the clearest shot at the satellites, we took the sat-phone and computer to the top of Belmont (about a 300 foot climb) two or three times a day. We probably spent two to three hours on log uploads per day!

Equipment:

Station 1:

The antenna, which covered 160 to 10 meters, was a two part antenna: one part, for the low bands, was an Inverted L with a 16 meters long vertical section and a 12 meter long horizontal section. The second part, for the bands above 30 meters, consisted of three wires forming skinny tri-angle about 2 meters wide at the top and about 6 meters tall. The antenna was fed via a dual output home brew automatic antenna coupler mounted to the lower segment of the antenna pole. The antenna was located on top of a rocky outcropping that jutted into the sea, about 8 meters (25 feet) above the water at low tide. At high tide waves were crashing on and around the base of the antenna. A large number of radials (40+) of various lengths were draped over the rocks, most of them ending in the surrounding salt-water. The rocks beneath the antenna had numerous cracks and crevices leading down to the water. There were also pools of salt-water all over the rocks. (See pictures.) The antenna had a clear shot over open water from the East to the West and was somewhat obscured to the west-south-west by the peak of Belmont.

The radio was a K3, driving a dual SG-500 amplifier for an output of 1 kW.

Station 1 also had an extensive RX setup intended for the low bands. There were two RX antennas.

One , facing north, was a 4 m x 4 m flag, erected on the very steep north facing slope of the peak, about 2 meters above the rocks and 20 meters above the water. A second flag of similar size was erected on top of the peak, next to the light house. This flag was facing south, which was LP to JA. The two RX antennas were connected to a custom built remote pre-selector and amplifier. The pre-selector had 9 sharp band-pass filters, selectable from the operating position. The pre-amp had a gain of 25 dB and a very low noise figure. (See Gary, KD9SV for info.) The pre-selector was connected, via 100 meters of RG-6 coax, to a receiver front-end, which contained RX antenna switching, remote controls for the pre-selector, a second low noise pre-amplifier (10 dB gain) and an output splitter to feed the K3 RX input and an QS1R SDR. The SDR was running CW Skimmer. We ended up using this RX set-up on all bands. The LP flag was especially useful on 40 meters when working Japan in the morning. On 160 most of the time we had both pre-amps on for a total of 35 dB of gain. (Did not use the K3's internal pre-amp.)

Station 2:

Station 2 had a similar antenna to the Station 1, except instead of an Inverted L, the low band section was an 18 m tall vertical. Just like the Station 1 antenna, it had two sections and was driven by an automatic antenna coupler. The antenna was located in a shallow crater south of the scientific station. The location was a compromise: the original plan had it mounted on the dock (above the salt-water) but the Navy needed clear access to that space. The floor of the crater was covered with a few inches of salt-water, which sometimes rose to a couple of feet during high tide and high wave activity, that provided an excellent ground. This antenna was an excellent performer on all bands, and outstanding on 80 meters. It was perhaps our best performing TX antenna. The point to make here is that with a vertical, a good ground is more valuable than a higher location with a clear shot to the horizon. (See pictures.)

The radio was another K3, driving a single SG-500 amplifier for 500 watts output.

Station 3:

Station three had a bare-foot K3 with two antennas: a five element 6 m Yagi and a 10 m vertical. The 10 m vertical had four semi-elevated radials and was standing about .5 meter above ground level on the side of some jagged rocks (not that we had anything like ground level on the rocks). Both antennas worked well, as shown by the QSO count on 6 and 10 meters. (For a short time we used our 4th K3 on Station 3 as a monitoring radio for 6 m. Unfortunately, later we needed the spare radio and we lost that capability.)

A larger Navy crew was scheduled to arrive on Nov 23. We made arrangements with the boat, and we were hoping to continue operating through the weekend and the CQWW CW contest, but we were uncertain about the Navy letting us do so. Some Navy personnel indicated that it would be OK, while others suggested that the large crew will need all the room there was. It was all up to the brass. We assumed the worst and kept operating at full steam, making the most of our possibly limited time. By then we sometimes had four stations on the air. We have built a 10 m vertical on which we ran 10 m SSB while waiting for 6 m openings. At times we operated two 10 m stations at the same time: one CW and one SSB.

From the outset we had a number of priorities. First, we wanted to re-establish Amateur Radio as a welcome activity on SPSP. Second, we wanted a high QSO count. We also had a low band focus and wanted to work as much 160 m as possible, as well as 80 and 40 meters. In addition to all that, we wanted make sure Asia, specifically the JA-s, were given a good chance to work us. Unlike the Pacific DXpeditions -- where the JA-s have a ring-side seat -- the situation was now reversed; the JA-s would have a long and difficult path on most bands, with narrow time windows and the need to

work through EU or NA "walls". During some of the windows we were requesting JA-only, which most people respected. Thanks for that! Although we listened hard for JA-s every morning and evening, on both SP and LP, we did not manage even one JA contact on 160. On 80 we made 174 JA QSO-s, most of it at our SR via LP. The figures below show the QSO distribution by continent.

CONTIN.	QSO
AF (Africa)	729
AS (Asia)	3200
EU (Europe)	20386
NA (North America)	16207
OC (Oceania)	397
SA (South America)	3034
Total:	43953

At the end we had 44,000 QSO-s, which were made during 12.5 days of operations. The end came on the morning of Nov 23, when the large Navy crew landed around 0900Z. The brass came ashore a bit later and at 1020 we were told then that they will need the space we were using. We immediately made the decision to go QRT, break down the station and antennas, clean up and leave. It was all in rush, as the boat had to leave before 2 PM if we wanted to arrive in Natal in daylight. (You don't want to be around the docks in Natal at night!)

Among other considerations, we did not want to be pushy and over-stay our welcome. By felt by then that we did have a good relationship with the Brazilian Navy, which we did not want to spoil. We wanted to part with them on the best of terms, leaving the door open to future DXpeditions.

George, AA7JV

SPURIOUS OUTPUTS

Comments, Announcements, and Interesting Tidbits Submitted by Members

Birthdays

Here are the January birthdays! Many happy returns and may you have many more!

K6BBC	Tony	K6IRA	IRA	W5NH	Ernie	WB6OKK	Karen
W5DQ	Gene	K6IRD	Sharon	W6NRQ	Steve	K6PEQ	Kristen
K6DSW	Don	W6JAC	Jerry	W6OAR	Randy	KC6T	William
W6IJY	John	N6NB	Wayne	K0OK	Bob		

Electrical Theory 101 (N6RV)

ELECTRICAL THEORY BY JOSEPH LUCAS

Positive ground depends on proper circuit functioning, which is the transmission of negative ions by retention of the visible spectral manifestation known as "smoke". Smoke is the thing that makes electrical circuits work. We know this to be true because every time one lets the smoke out of an electrical circuit, it stops working. This can be verified repeatedly through empirical testing.

For example, if one places a copper bar across the terminals of a battery, prodigious quantities of smoke are liberated and the battery shortly ceases to function. In addition, if one observes smoke escaping from an electrical component such as a Lucas voltage regulator, it will also be observed that the component no longer functions. The logic is elementary and inescapable!

The function of the wiring harness is to conduct the smoke from one device to another. When the wiring springs a leak and lets all the smoke out of the system, nothing works afterward.

Starter motors were considered unsuitable for British motorcycles for some time largely because they consumed large quantities of smoke, requiring very unsightly large wires.

It has been reported that Lucas electrical components are possibly more prone to electrical leakage than their Bosch, Japanese or American counterparts. Experts point out that this is because Lucas is British, and all things British leak. British engines leak oil, British shock absorbers, hydraulic forks and disk brake systems leak fluid, British tires leak air and British Intelligence leaks national defense secrets.

Therefore, it follows that British electrical systems must leak smoke. Once again, the logic is clear and inescapable.

In conclusion, the basic concept of transmission of electrical energy in the form of smoke provides a logical explanation of the mysteries of electrical components especially British units manufactured by Joseph Lucas, Ltd.

And remember: "A gentleman does not motor about after dark."

Joseph Lucas "The Prince of Darkness"
1842-1903

A few Lucas quips:

The Lucas motto: "Get home before dark."

Lucas is the patent holder for the short circuit.

Lucas - Inventor of the first intermittent wiper.

Lucas - Inventor of the self-dimming headlamp.

The three-position Lucas switch--DIM, FLICKER and OFF. The other three switch settings--SMOKE, SMOLDER and IGNITE. The Original Anti-Theft Device - Lucas Electrics.

If Lucas made guns, wars would not start

Back in the '70s, Lucas decided to diversify its product line and began manufacturing vacuum cleaners. It was the only product they offered which did not suck.

Q: Why do the British drink warm beer? A: Because Lucas makes their refrigerators.

This has been referred to as the smoke theory when the smoke comes out its finished, cooked or done for.

SPURIOUS OUTPUTS

Comments, Announcements, and Interesting Tidbits Submitted by Members

ZL9HR Visitors in Auckland (W3SE / ZL3TE)

I received an E-mail a while back from Don, VE7DS, letting me know he was coming to ZL as part of the ZL9 team and would like to meet up while he was in Auckland. I said it would be great to meet up and have Dinner, gave him my Cell phone number. Several weeks later on Nov.21st, Don called – I'm in town.

When I arrived to meet Don up at the QTH of Jacky, ZL3CW, I was greeted by a small contingent of Americans. Les, W2LK, Dave, K3EL, Glen, KE4KY. I had arranged a table at a Malaysian restaurant for two. This quickly grew to 6, the restaurant was very accommodating when I called to change the booking, and again, as we were the last to leave.

A second evening was planned for the following night to give the team a good send off. A BBQ was organized at the QTH of ZL3CW. A few other local ZLs came along: Ken, ZL1AIH (ZM1A), John, ZL1BYZ, Aki, ZL1GO, and Dusko, ZL3WW. The team flew off to Invercargill on the morning of the 23rd to meet up with the rest of the team making their way South.

It was great to be able to meet these excellent operators and get to know them while they were in town. A Big Thanks goes out to the team for activating Campbell Island for us, and enduring the bad WX and rough seas on the trip down.

73,
Wes, W3SE / ZL3TE



Photo 1: K3EL, VE7DS, F2CW/ZL3CW, W3SE/ZL3TE, W2LK, KE4KY



Photo 2: W3SE/ZL3TE, F2CW/ZL3CW, K3EL, KE4KY, ZL1GO, ZL1BYZ, VE7DS, ZL1AIH, ZL3WW, W2LK

160M AM Net (W6MPB)

<http://radioworld.com/default.aspx?tabid=75&entryid=910>

SPURIOUS OUTPUTS

Comments, Announcements, and Interesting Tidbits Submitted by Members

Can You Who These Two Are? (N6RV)

It may seem like a hundred years ago but the 60s are very real to many of us. So who are these two? Give Up?



W2RE Remote Ham Radio Site (KC6TOD)

Hello SCDXC Members,

I know a lot of the testers and DXers in your group live in retirement communities or HOA's.

Lee WW2DX and I are working on a service that is geared toward those individuals and testers / DXers. Here is a video explaining the service:

http://www.youtube.com/watch?feature=player_embedded&v=OGGqCUUTGqA

Can we put a advertisement of sort on your site? Do you have that option? If that is not possible can you send a email to your reflector about our service. We would really appreciate it!

Site: RemoteHamRadio.com

We have 3 sites up and running and users from Egypt to Hawaii on the system. We have the coast of Maine coming in Spring 2013. RHR has developed a web base console at all the stations.

Ray W2RE

Visalia Radio Tower Knocked Down (W6MPB)

Urban forwarded this link to an article on some mischief that happened in Visalia!

<http://www.kmph.com/story/20282551/tower-knocked-down-visalia-radio-station-off-the-air>

D44BC Video (N6RV)

I picked this off of the SCCC Reflector. If you have wondered why D4C is so loud wonder no more!

For your viewing and listening pleasure. This is the station on Sao Vicente Island in the Cape Verde group where Al 4L5A/D4B built this amazing station. For those who remember Julio D44BC , it's the same island, only Julio and my operations were from downtown Mindelo.

73

Jim Neiger, N6TJ

New article is available at <http://contesting.at-communication.com/en/> :

Cabo Verde - D4C - CQ WW DX SSB Contest 2012 - Video

http://contesting.at-communication.com/en/cabo-verde_d4c_cq-ww-dx-ssb-2012_video/

NASA Spot the Station (W6HB)

Find out when the ISS will pass over your house!

[Click here: NASA - Spot The Station](#)

SPURIOUS OUTPUTS

Comments, Announcements, and Interesting Tidbits Submitted by Members

FOR IMMEDIATE RELEASE

After a lot of negotiation we are pleased to announce a multinational team of twelve is to undertake a Dxpedition to Bouvet Island from 25 March 2013 to 5 April 2013 using the callsign 3Y0IOF.

We will be operating 24/7 with five stations covering all bands 160m-10m.

We understand that DXpeditions are all about you the DX operator therefore we are pleased to announce some exciting new innovations.

We appreciate many of you feel you should not have to make any effort to work us. Accordingly we are offering you the chance to call us on the telephone when you are ready for a QSO. That's right we will give you a phone number and when you are ready you can ring us and we will immediately cease to work the pile up and call you on a frequency of your choice. Not only that we will also ensure an email is sent to you directly after the QSO to confirm you are in the log. Furthermore we are organizing a team of experts who, if you wish, will fly in and set up your rig on the required frequency, connect the antenna for you and make sure the heating or ventilation is on so it is nice and warm or cool in your shack as the case requires. Don't worry about propagation. We will make sure there is some between us as we understand that is our responsibility and it's our fault if there isn't.

If that is not for you then don't worry we are just as happy to work you in a pile up. We realize that we will need to operate in accordance with your operating habits so therefore we will understand if you call over the top of another station we are trying to work, or when we are specifically calling a part of the world you do not reside in, or if you are simply calling aimlessly or while we are transmitting, or even if you call when you cannot hear us. We will do our best to work you despite all this and yes we know it's our fault if you do not make it into the log.

We wish to acknowledge the value Frequency Cops bring to a Dxpedition so to recognize this we are going to specifically publicize some times when we will arrange for some operators to deliberately call us on our frequency instead of split. Frequency Cops can even register their availability with us to help us ensure these periods get maximum uptake by the Frequency Cop community. During these periods the Frequency Cops will be able to say or send "up up!" to their hearts content. (Note: we will make sure we tell the pile up to listen up and not down as the recent PT0S Dxpedition has taught us that Frequency Cops don't know how to send "down" in CW).

We also don't want the "tuner uppers" to feel left out and like them we feel dummy loads are completely overrated. So when we are ready to transmit on a band we will give them the opportunity to tune up on our frequency before we start working the pile up. Each period will start with us sending our callsign and "QDL" ("Quick Dummy Loaders") so they will know when to commence tuning up on us. We will allow for at least five minutes for this as we know how important it is for the tuner uppers to make sure their finals are good and ready. We acknowledge if they go bang it's our fault. Depending on demand we will every now and then send "QDL" while working a pile up so any tuner uppers late to the party can tune up on us as well.

Unfortunately we will not have cluster access while we are on Bouvet but we know this will not stop you posting announcements and comments on the cluster about our Dxpedition. Some suggestions for you to try include saying what band you want us to QSY to or mode to operate on, the quality of our ops and the usual "loud", "can't hear them here", "thanks for 7th band" or "yee hah" comments. Likewise as we noted above we understand it's our fault if you cannot work us and therefore we accept in that case you will post on the cluster calling us the worst Dxpedition ever.

We can't wait to be of service to you.

The 3Y0IOF Team

RELEASE ENDS

2012 Holiday Party!











PO Box 1167

Palm Springs, CA 92263

Press Release:

Riverside County acts to protect Dinocoma Brunnescens beetle habitat!!

Palm Springs Hamfest 2013 CANCELLED!!

The members of the Desert R.A.T.S. are sad to announce that Palm Springs Hamfest 2013 had to be cancelled and regret any inconvenience to those who already made travel and accommodation plans.

Some of the area in which previous Desert R.A.T.S. Palm Springs Hamfests had been held with great success has been deemed a protective habitat for the beetle and is therefore no longer available as an event site.

Palm Springs Hamfest 2014-better, bigger, and beetle friendly. Third weekend in March 2014.

The Desert R.A.T.S. are pleased to announce that the next event will be held in an extended format with additional activities and added opportunities for overnight stays in the heart of Palm Springs while still maintaining the nostalgic, old-time atmosphere of Hamfests of an almost gone era.

For further information you may contact:

Past President, Peter Reinzuch, VE7REZ at ve7rez@gmail.com

2013 Arizona State Convention

9th Annual

Yuma Hamfest

Yuma, Arizona

Feb. 15 & 16, 2013

Yuma County Fairgrounds
2520 East 32nd Street, Yuma, Arizona



www.yumahamfest.org

Check the Website for Additional Information
and a Current Schedule of Activities and Seminars

Gates Open for Camping Thursday, 2 pm Vendor Setup Friday, 7 am - Noon	Event Hours Friday, Noon - 5 pm Saturday, 8 am - 5 pm	Buzzard BBQ & Grand Prize Drawing Saturday Night 6:00 - 8:00 pm
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Vendors & Exhibitors
Consignment Sales
License Testing
Hourly Door Prizes
On-site RV Camping
Famous Buzzard BBQ
ARRL Speaker
\$5.00 Admission

Tailgating (Swap Meet)
Full Seminar Schedule
DXCC Card Checking
Incredible Grand Prizes
Emergency Preparedness
Admission Prize
Hospitality Area
Antenna Clinic & T-Hunt

Hamfest Talk-In Frequency: 146.840 (-) PL 88.5 Hz

Email Contact: info@yumahamfest.org



We are proud to have the Amateur Radio
Council of Arizona (ARCA) as a sponsor of
our event.

The Yuma Hamfest is an American Radio
Relay League (ARRL) sanctioned event.



Presented by the Yuma Amateur Radio Hamfest Organization

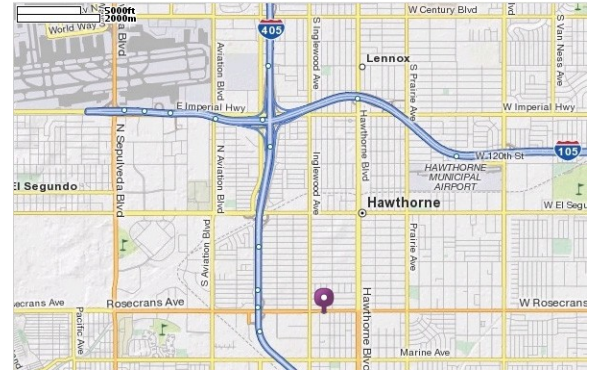
SCDXC Meeting Location

SCDXC Meets at WEMS Inc. on Rosecrans in Hawthorne. It is very close to the 405 Freeway however the entrance can be missed. The major landmark is the tower with the SteppIR antenna on top.

The driving directions to WEMS, Inc are as follows:

The address is: [4650 West Rosecrans Avenue, Hawthorne, CA. \(South side of street\)](#)

1. Coming South on the I-405 take the second Rosecrans (Rosecrans East) off ramp. At the bottom of the off ramp turn right and proceed to the next traffic light and turn right again on to Rosecrans Avenue. Go under the freeway and proceed East on Rosecrans past Inglewood Avenue. Go 1-1/2 blocks past Inglewood Avenue and make a right turn into the driveway between a one story building and a two story building with a tower and SteppIR antenna. Drive past the gate and park in any open parking space. We will be meeting in the one story building you just drove past. If you get to traffic light East of Inglewood avenue turn around and go back. Look for the antenna.
2. Coming North on the I-405 take the first Rosecrans off ramp (Rosecrans East) and turn right at the bottom of the off ramp onto Rosecrans Avenue. Go 1-1/2 blocks past Inglewood Avenue and make a right turn into the driveway between a one story building and a two story building with a tower and SteppIR antenna. Drive past the gate and park in any open parking space. We will be meeting in the one story building you just drove past. If you get to traffic light East of Inglewood avenue turn around and go back. Look for the antenna
3. Coming West on CA-91 merge on to I-110 South and then North onto the I-405. Once you are Northbound on the I-405 follow the directions in #2 above.
4. Coming West on the I-105 Exit the Hawthorne Blvd. off ramp. At the end of the very long off ramp turn left onto Hawthorne Blvd and proceed South to Rosecrans Avenue. Turn right on Rosecrans Avenue and proceed West. Just past the first traffic light after your turn onto Rosecrans move into the 2-way left turn lane and turn in the driveway between the two story building with tower/antenna and the one story building. As you drive down Rosecrans you should be able to see the tower on the two story building. Drive past the gate and park in any open parking space. We will be meeting in the one story building you just drove past.
5. If you live in the South Bay or Palos Verdes you are on your own.
6. If you would like to try Metro Light Rail, see Mel Hughes for information. WEMS is an easy walk from a Metro Green Line Station, or we can arrange a ride from the station to WEMS.



Pre-Club Meeting Dinner

Club members and visitors often meet before the meeting and enjoy a meal. Lately many of us have been going to #1 Buffet at 14418 Hawthorne Blvd, Lawndale, CA 90260, (310) 644-4007. The restaurant is just South and East of WEMS. Another group meets at the Denny's on the corner of Inglewood Avenue and Rosecrans Avenue. This is stones throw West of WEMS. For those interested in fine dining some of the best restaurants in the South Bay are located on Rosecrans just West between the 405 and Sepulveda (PCH). The Manhattan Beach area is a target rich food environment!



Meet the 2013 SCDXC Board



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N6HY**



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W6IRD**



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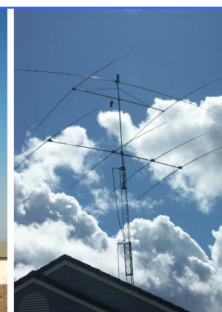
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K6YRA

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